

# Flu Watch

MMWR Week 22: May 26 to June 1, 2019

*All data are provisional and subject to change as more reports are received.*

## Geographic Spread



South Carolina reported sporadic activity this week.

## Influenza Activity



Overall, there was no change in influenza activity this week.

## Regional Influenza Activity



A decrease



No change



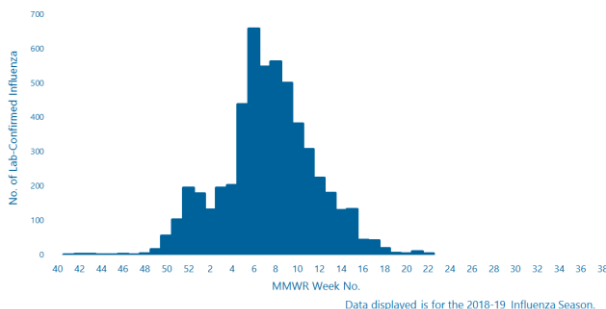
No change



No change

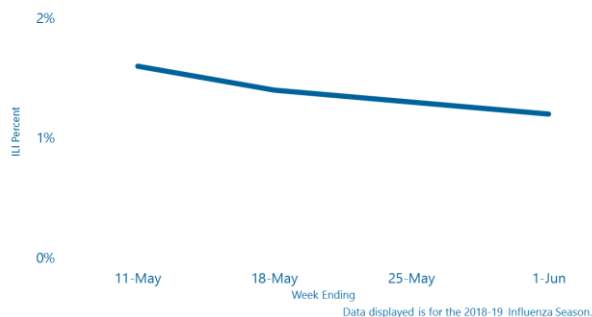
## Virologic Surveillance

This week there were **4** lab-confirmed tests reported. Influenza A and Influenza B were most frequently reported. In the current flu season, there have been **4686** lab-confirmed tests reported.



## Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was 1.21%, which is below South Carolina's baseline (3.53%). The ILI activity level overall was minimal



## Influenza-Associated Hospitalizations

This week 13 influenza-associated hospitalizations were reported by 37 hospitals. The cumulative hospitalization rate is 53.2 per 100,000. In the current flu season, there have been 2674 influenza-associated hospitalizations.

## Influenza-Associated Deaths

This week 1 influenza-associated death was reported; however, the death occurred during previous weeks. The cumulative mortality rate is 1.9 per 100,000. In the current flu season, there have been 97 influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

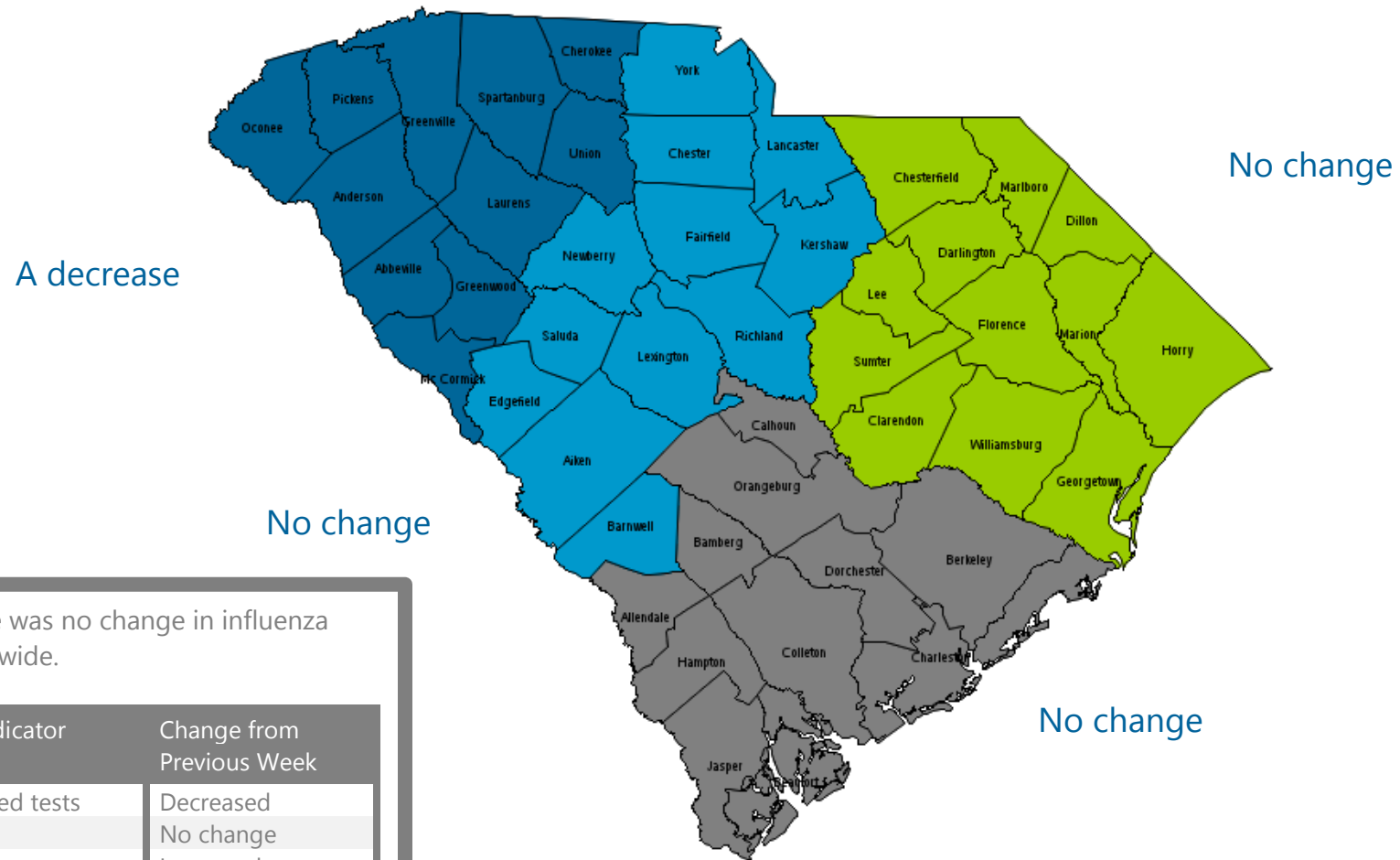
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

# Influenza Activity\*

In the 4 Public Health Regions, activity showed...



Overall there was no change in influenza activity statewide.

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	Decreased
ILI Percent	No change
Hospitalizations	Increased

\*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

# Virologic Surveillance

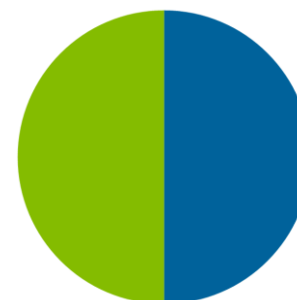
Influenza Type	Season Totals To Date				
	No. (%)	This Week	2018-19	2017-18	2016-17
Overall		4	4686	3583	2447
Influenza A		2(50.0)	4538(96.8)	2451(68.4)	1567(64.0)
A(H3)	--	--	599(13.2)	533(21.7)	407(26.0)
A(H1N1)	--	--	459(10.1)	212(8.6)	64(4.1)
A(NS)*	2(100.0)		3480(76.7)	1706(69.6)	1096(69.9)
Influenza B		2(50.0)	148(3.2)	1132(31.6)	880(36.0)
B (Victoria)	--	--	2(1.4)	2(0.2)	--
B (Yamagata)	--	--	--	55(4.9)	--
B (LND)*	2(100.0)		146(98.6)	1075(95.0)	880(100.0)

\*NS – not subtyped

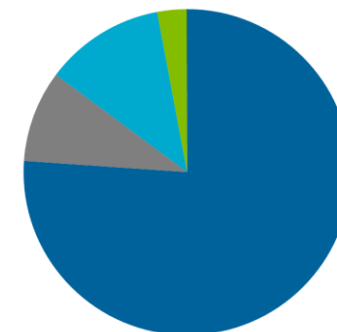
\*LND – lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

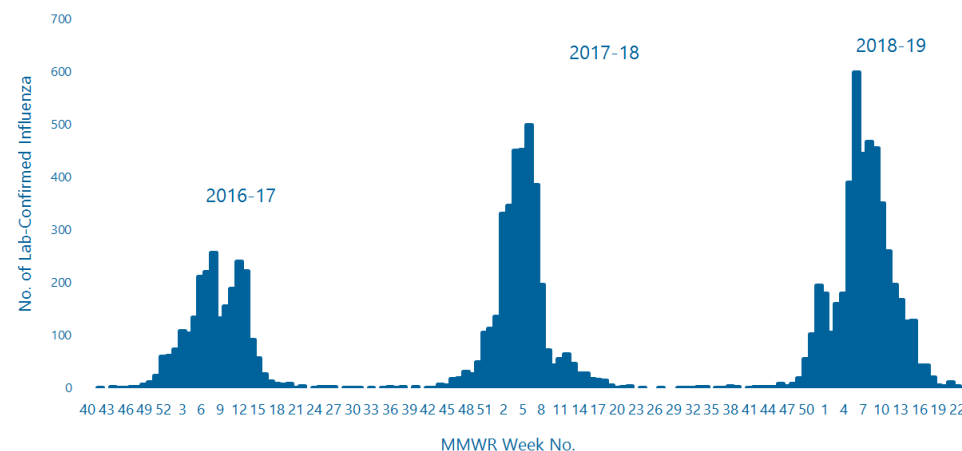
Week ending 6/01



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



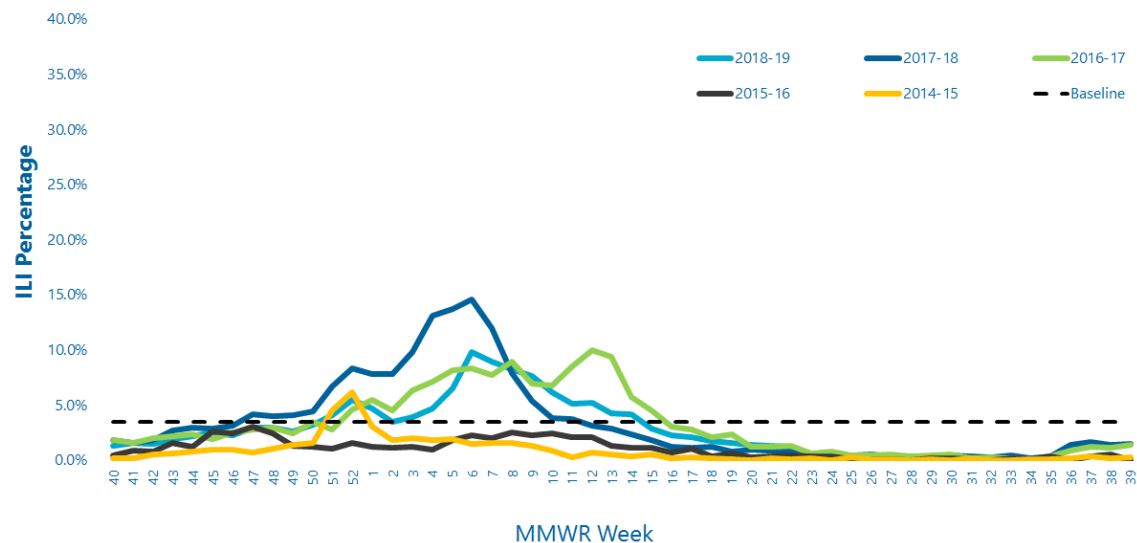
## Influenza-Like Illness Surveillance

This week, the ILI activity level was **minimal** and 1.21% of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is below the state baseline, 3.53%.

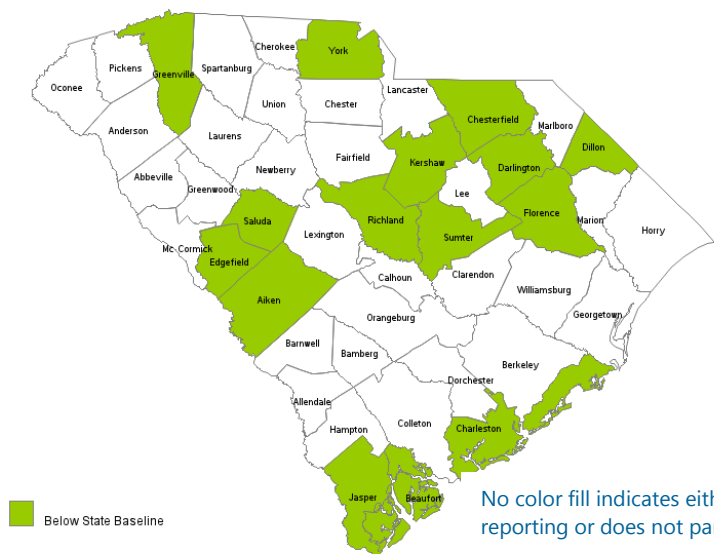
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

\*\*ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.\*\*

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

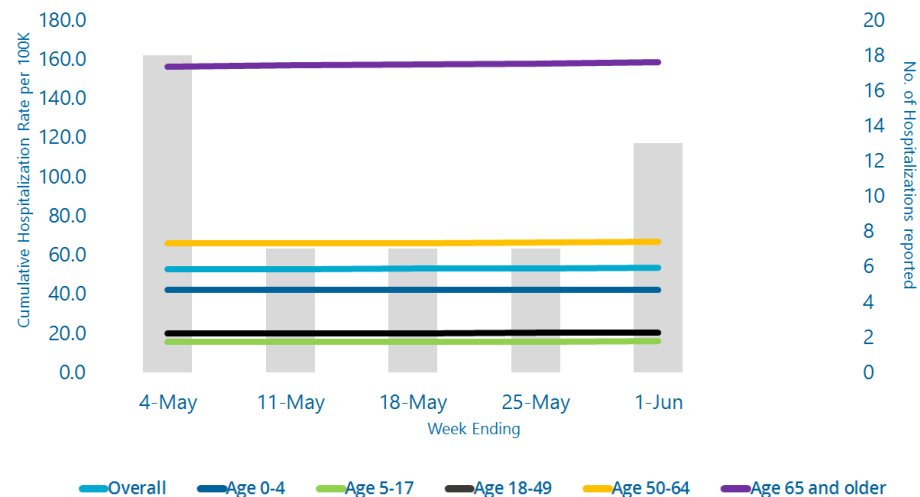
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: **MINIMAL** LOW MODERATE HIGH

# Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	13(0.3)	--	2(0.3)	--	4(0.4)	7(0.8)
2018-19	2674(53.2)	123(41.9)	127(15.7)	412(20.0)	665(66.7)	1370(158.5)
2017-18	4498(89.5)	159(54.1)	141(17.4)	584(28.4)	1054(105.6)	2560(296.1)
2016-17	2500(50.4)	114(39.1)	131(16.2)	337(16.5)	562(56.7)	1356(163.5)
5 season average	2719(55.3)	158(54.2)	119(14.8)	440(21.7)	639(65.1)	1362(168.0)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	--	--	--	--	--	--
2018-19	97(1.9)	2(0.7)	1(0.1)	7(0.4)	25(2.3)	62(7.3)
2017-18	291(5.8)	3(1.0)	--	27(1.3)	52(5.2)	209(24.2)
2016-17	96(1.9)	1(0.3)	1(0.1)	9(0.4)	16(1.6)	69(8.3)
5 season average	129(2.6)	1 (0.3)	1 (0.1)	15(0.7)	24(2.4)	89(10.8)



Influenza-Associated Deaths by Region

